

U.S.S.N. 10/064,695

- 2 -

201-0690 (FGT 1615 PA)

In The Claims:

1. (Currently Amended): A method for operating a tire pressure monitoring system having an auxiliary tire in an auxiliary location and a warning status memory comprising:

~~receiving~~ generating a speed signal corresponding to a vehicle speed;

receiving an auxiliary sensor transmitter identification signal;

generating a cumulative time signal corresponding to a cumulative receiving time of the transmitter identification signal;

when the speed is greater than a predetermined speed and when the cumulative time signal is greater than a predetermined time, associating the auxiliary sensor identification to ~~[[an]]~~ the auxiliary location of the warning status memory.

2. (Currently Amended): A method as recited in claim 1 wherein the auxiliary tire is ~~other than~~ not a rolling tire in a rolling locations or location and is not a spare tire in a spare location.

*top of roof, underneath vehicle, attached to rear bumper*

3. (Original): A method as recited in claim 1 wherein the auxiliary tire comprises an additional spare.

4. (Currently Amended): A method as recited in claim 1 wherein the auxiliary tire comprises ~~[[an]]~~ a trailer tire.

5. (Original): A method as recited in claim 1 wherein the auxiliary tire comprises a plurality of trailer tires.

6. (Currently Amended): A method as recited in claim 1 further comprising generating warning statuses for each tire in ~~[[the]]~~ a rolling locations, ~~[[the]]~~ a spare location, and the auxiliary location.

U.S.S.N. 10/064,695

- 3 -

201-0690 (FGT 1615 PA)

7. (Original): A method as recited in claim 1 wherein said predetermined time is a function of a time when the vehicle speed is greater than the predetermined speed.

8. (Currently Amended): A method for operating a tire pressure monitoring system having rolling tires in a rolling locations, a spare tire in a spare location and an auxillary tire in an auxiliary location comprising:

associating the plurality of rolling tires with a respective plurality of rolling locations and a spare tire with a spare location in a warning status memory;

receiving ~~generating~~ a speed signal corresponding to a vehicle speed;

generating a time signal in response to receiving a speed signal ~~a timer~~;

receiving an auxillary sensor transmission signal when the speed is greater than a predetermined speed;

when the time signal is greater than a predetermined time, associating the auxillary sensor identification to an auxiliary location of the warning status memory.

9. (Original): A method as recited in claim 8 wherein said predetermined time is a function of a time when the vehicle speed is greater than the predetermined speed.

10. (Original): A method as recited in claim 8 further comprising generating warning statuses for each tire in the rolling locations, the spare location, and the auxiliary location.

11. (Original): A method as recited in claim 10 further comprising displaying the warning statuses.

12. (Currently Amended): A method as recited in claim 8 wherein the auxillary tire is not ~~other than~~ a rolling tire in a rolling locations or and is not a spare tire in a spare location.

U.S.S.N. 10/064,695

- 4 -

201-0690 (FGT 1615 PA)

13. (Original): A method as recited in claim 8 wherein the auxiliary tire comprises an additional spare.

14. (Original): A method as recited in claim 8 wherein the auxiliary tire comprises a trailer tire.

15. (Original): A method as recited in claim 8 wherein the time signal corresponds to a cumulative time the auxiliary transmission signal has been received from an auxiliary transmitter.

16. (Original): A tire pressure monitoring system for a vehicle comprising:

a speed sensor generating a speed signal indicative of vehicle speed;

a timer generating a time signal;

a warning status memory having warning statuses therein;

a plurality of rolling tires in respective rolling location, said plurality of rolling tires having respective rolling transmitters;

an auxiliary tire in an auxiliary location having an auxiliary transmitter generating an auxiliary sensor transmission signal;

a controller coupled to the rolling transmitters, the auxiliary tire transmitter and the warning status memory, said controller receiving the auxiliary sensor transmission signal, when the speed is greater than a predetermined speed and, when the time signal is greater than a predetermined time, associating the auxiliary sensor identification to an auxiliary location of the warning status memory.

17. (Original): A system as recited in claim 16 wherein said controller is RF coupled to the rolling transmitters, spare tire transmitter, and auxiliary transmitter.

18. (Original): A system as recited in claim 16 wherein the auxiliary tire is other than a rolling tire in a rolling location or a spare tire in a spare location.

U.S.S.N. 10/064,695

- 5 -

201-0690 (FGT 1615 PA)

19. (Original): A system as recited in claim 16 wherein said predetermined time is a function of a time when the vehicle speed is greater than the predetermined speed.

20. (Original): A system as recited in claim 16 wherein the time signal corresponds to a cumulative time the auxiliary transmission signal has been received from an auxiliary transmitter.

---